-16-(Twice amended)

A method for treatment of Pythiosis in human patients having the disease which comprises:

(a) providing a vaccine containing a mixture of proteins of Pythium insidiosum in a sterile aqueous solution, wherein the mixture of proteins is (1) of mixed intracellular proteins removed from disrupted cells of the Pythium insidiosum grown in a culture medium and (2) of mixed extracellular proteins from the culture medium for growing the Pythium insidiosum[;] wherein the mixed intracellular proteins and the mixed extracellular proteins in water have been dialyzed to remove low molecular weight components less than 10,000 MW; and

(b) vaccinating the ϕ atient with the vaccine.

0 1	18-(Twice amended)
	A method for the treatment of Pythiosis in a
2 /	mammal having the disease which comprises:
3	(a) providing an injectable vaccine derived
4	from growing cells of Pythium insidiosum in a culture
5	medium which comprises in a sterile aqueous solution in
6	admixture:
7	(1) mixed intradellular proteins removed from
8	disrupted cells of the Pythium insidiosum; and
9	(2) mixed extracellular proteins removed from
10	a supernatant from growing the cells of the Pythium
11	insidiosum;
12	wherein the mixed intracellular proteins and the mixed
13	extracellular proteins in water have been dialyzed to

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(b) vaccinating the mammal with the vaccine.

remove low molecular weight components less than 10,000

19-(Twice Amended)

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The method of Chaim 18 wherein the removed proteins in the admixture have been provided by growing cells of the Pythium insidiosum\in the culture medium, then killing the cells, then separating the killed cells from the culture medium to produce a first supernatant containing the mixed extracellular proteins and then disrupting the killed cells in\sterile water to provide the mixed intracellular proteins in a second supernatant and separating [removing] the\ ${\tt mixed}$ intracellular proteins from the disrupted cells and removing the mixed first extracellular proteins from the and second supernatants [supernatant].

-24-(Twice Amended)

The method of Claim 19 wherein the <u>mixed</u> intracellular protein in the second supernatant are separated from the disrupted cells [are removed from the culture medium for the cells] by centrifugation and removal of the disrupted cells [to provide the mixed intracellular proteins in the second supernatant].